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The  
United  
States  
of  
America



The Commissioner of Patents  
and Trademarks

*Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this*

United States Patent

*Grants to the person or persons having title to this patent the right to exclude others from making, using or selling the invention throughout the United States of America for the term of seventeen years from the date of this patent, subject to the payment of maintenance fees as provided by law.*

Commissioner of Patents and Trademarks

Priscilla A. Fuller

*Attest*

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 4,657,021  
DATED : April 14, 1987  
INVENTOR(S) : Don A. Perry et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6, line 11, "maximum" should read -- minimum --.

Signed and Sealed this

Fourth Day of August, 1987



Attest:

*Rosella Heller*

Attesting Officer

*DONALD J. QUIGG*

DONALD J. QUIGG

Commissioner of Patents and Trademarks